



Gulf of Mexico Harmful Algal Bloom Bulletin

Region: Texas

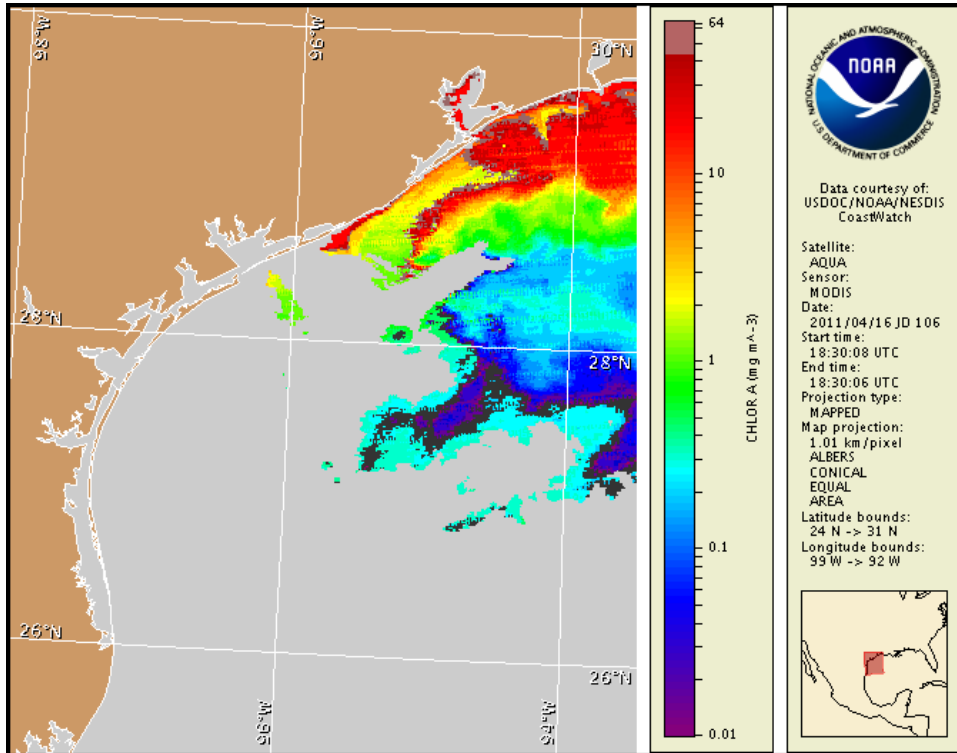
Monday, 18 April 2011

NOAA Ocean Service

NOAA Satellite and Information Service

NOAA National Weather Service

Last bulletin: Monday, April 11, 2011



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from April 8 to 15 shown as red (high), orange (medium), yellow (low b), brown (low a), blue (very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HAB-OFS bulletin guide:

http://tidesandcurrents.noaa.gov/hab/habfbs_bulletin_guide.pdf

To see previous bulletins and forecasts for other Harmful Algal Bloom Bulletin regions, visit the NOAA Harmful Algal Bloom Operational Forecast System bulletin archive:
<http://tidesandcurrents.noaa.gov/hab/bulletins.html>

Conditions Report

There is currently no indication of a harmful algal bloom at the coast in Texas, and the Texas Department of State Health Services (DSHS) has re-opened the approved portions of Corpus Christi Bay, Aransas Bay, and St. Charles Bay to shellfishing. No impacts are expected alongshore Texas today through Sunday, April 24.

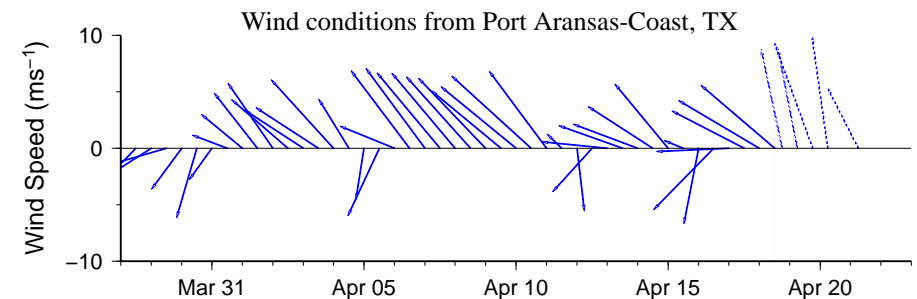
Analysis

There is currently no indication of a harmful algal bloom along the coast of Texas. Recent sample data indicate that the *Dinophysis ovum* bloom has diminished significantly, and the Texas Department of State Health Services (DSHS) has re-opened the approved portions of Corpus Christi Bay, Aransas Bay, and St. Charles Bay to shellfishing (TWPD; 4/15).

Much of the coast is obscured by clouds in recent imagery limiting analysis. Elevated to significant levels of chlorophyll (4 to >20 $\mu\text{g/L}$) are visible along- and offshore stretching from Sabine Pass to the Matagorda Bay area. Elevated chlorophyll seems to be due to the resuspension of benthic chlorophyll and sediments and is most likely not related to a harmful algal bloom.

Forecast models indicate negligible (<10 km) transport north along the coast from Port Aransas from April 16 to 21.

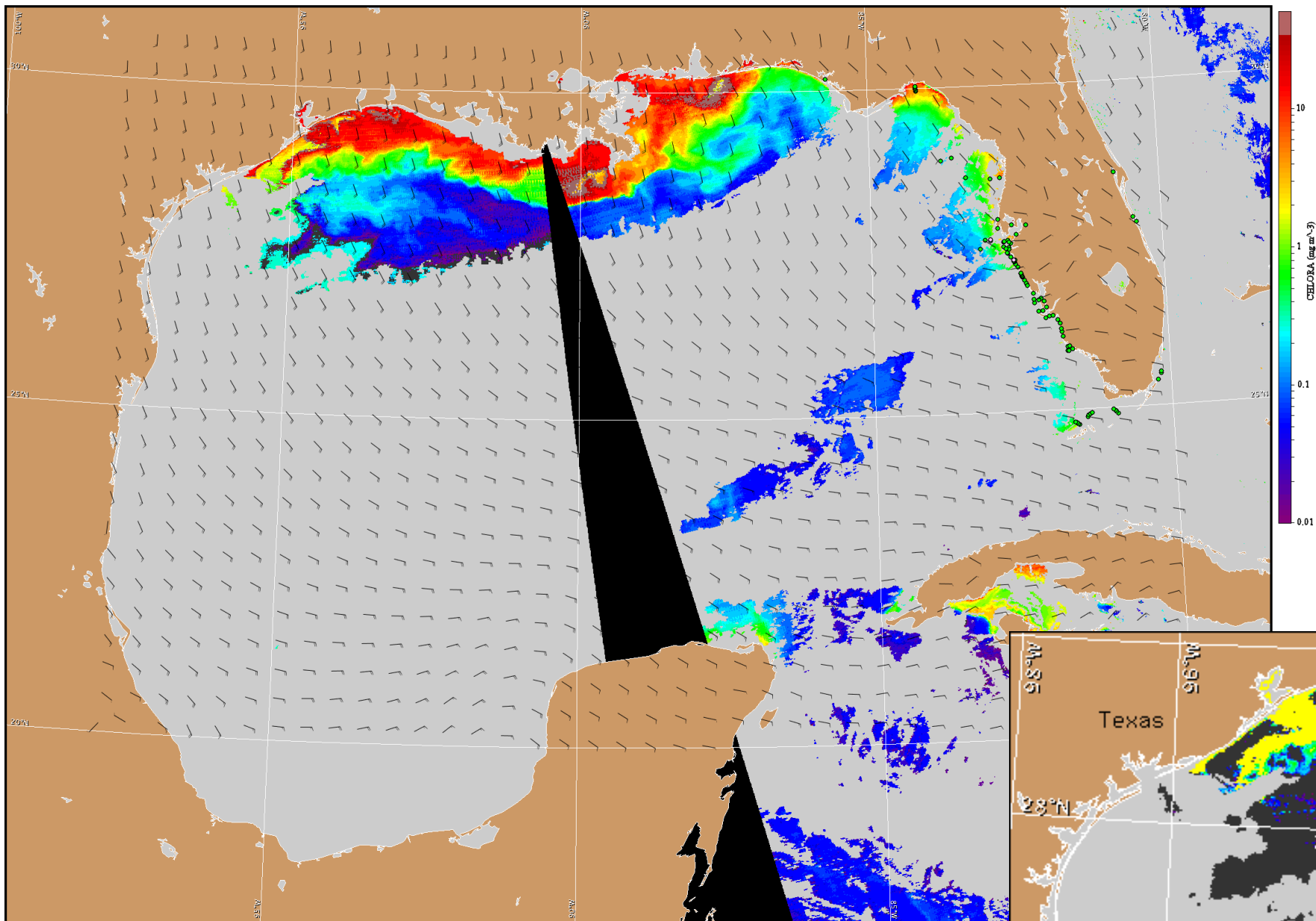
Kavanaugh, Urizar



Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts. Wind observation and forecast data provided by NOAA's National Weather Service (NWS).

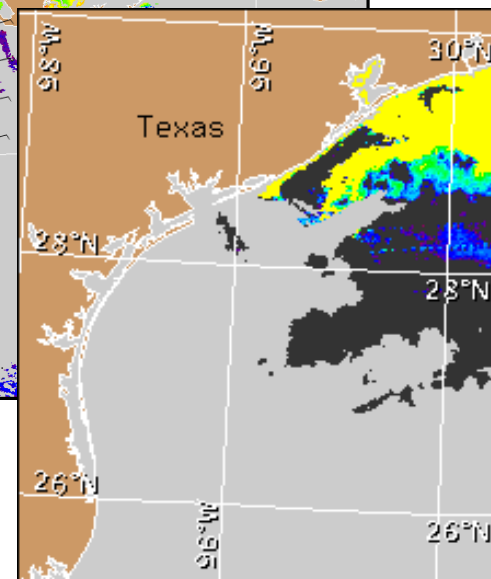
Wind Analysis

Port Aransas: South to southeast winds (10-20 kn, 5-10 m/s) today through Friday.



Satellite chlorophyll image and forecast winds for April 19, 2011 06Z with cell concentration sampling data from April 8 to 15 shown as red (high), orange (medium), yellow (low b), brown (low a), blue(very low b), purple (very low a), pink (present), and green (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HAB-OFS bulletin guide:

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Verified and suspected HAB areas shown in red. Other areas of high chlorophyll concentration shown in yellow (see p. 1 analysis for interpretation).